

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/014592

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ B23Q3/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
Int.Cl⁷ B23Q3/00, B23Q3/06, B23Q3/18, B23B31/40

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2004
Kokai Jitsuyo Shinan Koho 1971-2004 Toroku Jitsuyo Shinan Koho 1994-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2003-260624 A (Kosmek Ltd.), 16 September, 2003 (16.09.03), Full text; all drawings (Family: none)	1-19
A	JP 2003-097519 A (Pascal Kabushiki Kaisha), 03 April, 2003 (03.04.03), Full text; all drawings & WO 2003/027511 A1 & EP 1437515 A1 & US 2004/0207141 A1	1-19
A	EP 1338374 A1 (KABUSHIKI KAISYA KOSMEK), 27 August, 2003 (27.08.03), Full text; all drawings & US 2003/0160374 A1 & CN 1439485 A	1-19

Further documents are listed in the continuation of Box C.

See patent family annex.

- * Special categories of cited documents:
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- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search
08 December, 2004 (08.12.04)

Date of mailing of the international search report
28 December, 2004 (28.12.04)

Name and mailing address of the ISA/
Japanese Patent Office

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